

## SECTION III: DEPARTMENT OF FORESTRY

<b>2021-2022 NATURAL RESOURCE AND ENVIRONMENTAL CONSERVATION MAJOR</b> <b>Resource Conservation Science Concentration (Sample Schedule)</b> Total Hours = 124			
FRESHMAN YEAR			
Fall Semester		Spring Semester	
BIO 1134	Biology I	BIO 1144	Biology II
EN 1103	English Comp. I (ACT English subscore 17)	EN 1113	English Comp. II (EN 1103)
<b>FO 1101</b>	<b>Forest Resources Survey</b>	GR 1114	Physical Geography
AEC 2713	Intro Food Res Econ	SO 1003	Intro to Sociology
MA 1313	College Algebra (ACT math subscore 19)	MA 1613	Calc for Bus and Life Sci (C in MA 1313 or ACT math subscore 24)
SOPHOMORE YEAR			
Fall Semester		Spring Semester	
CH 1213	Chemistry I (C in MA 1313 or ACT math subscore 24)	CH 1223	Chemistry II (C in CH 1213)
		CH 1221	Investigations in Chemistry II (C in CH 1211)
CH 1211	Investigations in Chemistry I	CO 1003	Fund of Public Speaking
<b>NREC 3113</b>	<b>Forest Recreation Management</b>	<b>FO 3103</b>	<b>Computer Appl For Resources</b>
ST 2113	Intro to Stat (C in MA 1313 or ACT math subscore 24)	GR 2313	Maps and Remote Sensing
LA 1803	Landscape Arch Apprec	PHI 1123	Intro to Ethics
	Humanities Elective (3)		
JUNIOR YEAR			
Fall Semester		Spring Semester	
<b>FO 2113</b>	<b>Dendrology</b> (BIO 1144, or BIO 2113)	<b>FO 4213</b>	<b>Forest Biometrics</b> (ST 2113)
PSS 3303	Soils (CH 1213)	<b>NREC 3213</b>	<b>Environmental Measurements</b> (ST 2113)
PSS 3301	Soils Lab	<b>NREC 4353</b>	<b>Natural Resource Law</b> (JR)
AELC 3203	Prof. Writing Ag, NR & Human Sci. (JR)(EN 1103, EN 1113)		Professional Elective (3)
<b>WFA 3133</b>	<b>Appl Aquatic Terrestrial Ecol</b> (Bio 1134, BIO 1144)		Emphasis Elective (3)
	Emphasis Elective (3)		
SENIOR YEAR			
Fall Semester		Spring Semester	
<b>FO 4343</b>	<b>Forest Admin and Organization</b>	<b>NREC 4423</b>	<b>Environmental Assessments</b> (SR)
<b>NREC 4313</b>	<b>Spatial Tech. in Nat. Res.</b> (GR 2313)	<b>NREC 4413</b>	<b>Natural Resource Policy</b> (SR)
	Professional Elective (3)	NREC 4463	Forest Hydrology & Watershed Management (PSS 3303)
	Emphasis Elective (3)		Emphasis Elective (3)
	Emphasis Elective (3)		Free Elective (3)

\*NREC major required courses requiring a C or better or bolded.

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### 2021-2022 APPROVED ELECTIVE LIST Resource Conservation Science Concentration

PROFESSIONAL ELECTIVES (6 HOURS)		RESOURCE CONSERVATION SCIENCE EMPHASIS ELECTIVES:	
BIO 3103	Genetics I (MA 1313, BIO 1134, or BIO 2113)	ABE 4263	Soil and Water Mgt (ABE 2873)
BIO 3104	Ecology (BIO 1134)	BIO 2503	Environmental Qual
BIO 4233	Living with Global Change	BIO 3103	Genetics I
CE 2803	Environ Engr Issues (C or better in CH 1223)	BIO 4224	Aquatic Botany (BIO 2203 and one of WFA 3133 or BIO 3104)
CFR 1101	Ambassador Lead Dev. (up to 3hrs)		
CH 4513/4511	Org Chem I & Lab (CH 1221 and CH 1223.)	CE 2803	Environ Engr Issues
CH 4523/4521	Org Chem II & Lab (CH 4511 and CH 4513)	CE 3503/3501	Water Res Engr & Lab (C or better in CE 2803, credit or concurrent enrollment in EM 3313)
ENS 2103	Intro Environ Sci	CE 3801	Env./Wtr. Res. Engr. I Lab
ANY FO COURSE 3000 OR HIGHER *		CE 3803	Enviro. / Wtr. Res. Engr I
GR 3113	Conserv of Nat Res	CE 3811	Env./Wtr. Engr. II Lab
GR 4603	Climatology (GR 1114 or GR 1123)	CE 3813	Enviro./Wtr. Res. Engr. II
ANY NREC COURSE 3000 OR HIGHER*		CH 4511	Org Chem Lab I
NREC 4683	Intro Urban Community Forestry	CH 4513	Organic Chemistry I
PHI 3313	Environmental Ethics	CH 4521	Org Chem Lab II
ANY SBP COURSE 3000 OR HIGHER*		CH 4523	Organic Chemistry II
SBP 2012	Intro to Bioproduct Industry	ENS 2103	Intro Environ Sci
ST 4213	Nonparametric Meth (ST 2113)	FP 4313	Environ Principles
ANY WFA COURSE 3000 OR HIGHER *		GG 4503	Geomorphology
*CFR courses not otherwise specified on our curricula may be applied through the substitution process.		GG 4613	Phys Hydrogeology
		GG 4623	Chem Hydrogeology
HUMANITIES ELECTIVES (3 HOURS)		GR 4603	Climatology
ARC2313/3313	History of Architecture	NREC 4573	Ecology of Managed Forest
EN 2203	Intro. to Literature (EN 1103, EN 1113)	PSS 4603	Soil Chemistry (PSS 3303)
EN2213/2223	English Literature (EN 1103, EN 1113)	ST 4213	Nonparametric Meth
EN2243/2253	American Literature I (EN 1103, EN 1113)	WFA 4221	Limnology Laboratory
EN2273/2283	World Literature I (EN 1103, EN 1113)	WFA 4222	Limnology
FL 1113/1123	Elem. Foreign Language <sup>1</sup>	WFA 4383	Wetlands Ecol & Mgt
HI 1063/1073	Early or Modern US History	WFA 4623	Conservation Biology
HI 1163/1173	World History I or II	WFA 4633	Prob Solving Cons Bio
HI 1213/1223	Early or Modern Western World		
HI 1313/1323	East Asian Civilizations I or II		
PHI 1103	Intro. to Philosophy		
REL 1103	Intro. to Religion		
REL 3213	World Religions I		
REL 3223	World Religions II		

<sup>1</sup>French, German, Greek, Japanese, Latin, Russian and Spanish

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APPROVED SUBSTITUTIONS LIST FOR RESOURCE CONSERVATION SCIENCE CONCENTRATION	
Required Courses	Approved Substitutions
AEC 2713 Int to Food & Res Eco	EC 2123 Microeconomics (SO)(EC 2113), EC 2113 (SO)
AELC 3203 Prof Writing Ag, NR, Human Sci.	MGT 3213 Organ. Comm. (JR)(EN 1113), BIO 3013 Prof. Writing for Biologists, EDF 3413 Writing for Thinking (EN 1103, EN 1113) (JR), EN 3313 Writing for the Workplace (EN 1113)(JR)
CO 1003 Fund of Public Speaking	CO 1013 Intro to Communication
NREC 4463 Forest Hydro & Watershed Mgt.	FO 4483 Forest Soils (PSS 3303, FO 3012, FO 4123)
ST 2113 Introduction to Statistics	MA 2113 Intro to Stats or MA 3123 or ST 3123 Intro to Stats Inference (All require C in MA 1313 or ACT math subscore 24)